

ABSTRACT OF THE DISCLOSURE

The present invention enables the flexible cooperation of an internal network with an external network while preventing a direct intrusion to the internal network by physical means with respect to the access from the external network.

A switch connection control apparatus for channels which is interposed between channels and exclusively selects the connection to one channel and the connection to another channel has a security system that prevents an unjust intrusion by using a seesaw type switching technology in terminals and systems which are dispersed for the respective purposes. Because the external network and the internal network are physically separated in accordance with a control signal of an access request depending on a purpose through the seesaw type switching technology, data can be surely protected from unjust acts.